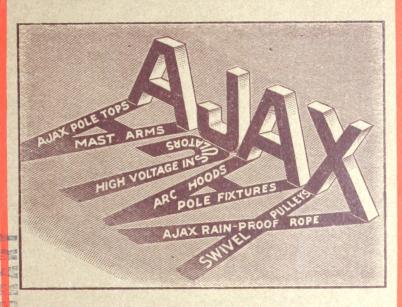
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Carl Hering Feb. 26, 1908

"TO SAVE TIME, MONEY AND REPAIRS, SPECIFY AJAX-AND TAKE NO OTHER"



ELECTRIC LIGHT SPECIALTIES

CATALOG NO. 1

AJAX LINE MATERIAL CO.

12 and 14 South Jefferson Street
CHICAGO

THE PRANKLIN THOTHERE

LIBRARY

A New Line:

Based on sixteen years of experience, the Ajax Specialties are all made from new patterns, carefully designed to overcome defects heretofore found in devices of this kind and to embody new features suggested by this long experience. Hence the unusual combination of strength, durability, simplicity, neatness and ease of erection found in our regular types as shown herewith. To make sure of your profiting by these upto-date features, specify the "Ajax" make and insist on getting it.

Special Forms:

Our modern equipment enables us to build a large variety of special sizes and types in this general class of devices, so "if you don't see it pictured ask for it."

Terms:

Net cash in 30 days, or 2 percent for cash within ten days from date of invoice. We ship from Chicago, making no charge for boxing or cartage.

First orders should state references, otherwise shipment may be delayed while ascertaining your financial standing.

G. O. D. orders must be accompanied by enough cash to cover transportation charges both ways.

Remittances

Should be by draft on Chicago or New York, money order or registered letter. Local checks on other towns must include an extra ten cents for the exchange charged by Chicago banks.

Claims

For errors must be made promptly on receipt of goods. We cannot be held responsible for loss or damage in transit after packing the goods carefully and getting the carrier's receipt for the package "in good condition." Claims for such loss or damage should be filed promptly with the railroad or express company.

Code Words

As given after each item will save time and avoid misunderstandings, hence they should always be used when ordering.

AJAX DISTINCTIVE SPECIALTIES

Embodying the characteristic points of merit found only in the Ajax make

CATALOG NO. 1

JANUARY, 1907

Albert Scheible, President. EDWARD R. GRIER, Vice Prest. John F. Turner, Sec'y and Treas.

AJAX LINE MATERIAL CO.

Originators and Makers of Specialties for High Grade Electrical Construction Work.

12 and 14 South Jefferson Street CHICAGO

Edward R. Grier, Postal Building, 253 Broadway, New York



Ajax Universal Pulley

A sleetproof pulley with an ingenious swivel-plate which adapts it for use under a surprising variety of conditions. The plate is easily bolted to round poles, square posts, walls or beams, making an equally firm pulley for

pole, wall or ceiling use.



Then the clamp with its double grooving will readily grip any ordinary size of suspension strand or wire. The pulley is swiveled from a single piece (malleable iron) plate, making it the only interchangeable pulley that is firm in any position.

> Complete, 80 cents "Jabadge" Same galvanized, \$1.10 "Jabask"



Ajax Swivel Pulley

Has a weatherproof casing swiveled from a STEEL plate, allowing the pulley to swing into line with the rope so as to avoid chafing. The swivel plate has flared edges, hence fits equally well on a round pole or a flat wall, or a beam.

The strongest of all swivel pulleys.

Each, 80 cents "Jabay" Same galvanized, \$1.00 "Jabathe"



Ajax Socket Pulley

Combines a weatherproof pulley with a pipe socket. (Poleplate of the Ajax Tubular, 'Varsity and Academy Mast-Arms.)



Ajax Swivel Pulley as used on ceilings

For 11/4 inch (bore) iron pipe, \$1.20 "Jablade" For 11/2 inch (bore) iron pipe, 1.20 "Jablanch"



In preparation:

Ajax Safety Pulley

(Patent applied for)

A sleetproof pulley with an ingenious arrangement of parallel ridges on the inside of the casing which automatically engage and release the lamphook with successive pulls on the hoisting rope. Has no pawls, triggers or swinging hooks to get out of order. Stops the upward pull by friction, hence will not jar the lamp out of adjustment. The smoothest acting pulley of its kind.

The lamp is hung from a Clamp-Hook which readily grips any size of rope up to a ½-inch braided cord. (We recommend Ajax Rainproof Rope.)

The snap-hook makes it easy to attach or detach the lamp, and the length over all is shorter than usual for a pulley of this type.

Ajax Safety Pulley, with suspension clamp and Clamp-Hook \$1.60 "Jabib" Same, galvanized \$2.10 "Jabide"

Ready now:

Ajax Clamp Pulley

The only sleetproof pulley swiveled crosswise from a pipe clamp, to avoid chafing the rope if the clamp is slightly out of line. Takes any size rope up to ½-inch.



Ajax Clam	pPu	lley fo	or 3/4-	inch	(bore)) pipe	900	ents	"Jabeef"
Same for							90		"Jabelch"
Same for	-	-	1 1/2	"	"	"	90	"	"Tabelt"

Ajax Rainproof Rope



An arc light rope with every strand waterproofed before being braided into the solid rope, making the finished article much more durable than if waterproofed only on the surface. Made for wear—selected stock, no rough spots or short ends, hence extra long life.

3%-inch (about 17 feet to the pound) "Jafault"
½-inch (about 10 feet to the pound) "Jafag"

Either size, for 100 pounds or over, per pound, 64 cents Either size, smaller lots, - per pound, 66 cents

Galvanized Chain



For arc lamp hoisting, to suit those who prefer chain to a rope. Standard size, ten links to the foot, links 7/16-inches wide.

Per 100 feet, \$3.80 "Jafaith"

Fitted Chains

Cut lengths of the above chain, with a ring fastened to one end and a claw to the other. Made in any desired length.

40 foot, \$1.65 ''Jafarm'' 50 foot, \$2.05 ''Jafarce"

Add per additional foot, 4 cents

Chain Ring



For fastening arc lamp chains to cleats or, better still, to Ajax Pole Locks. Each ring has a suitable claw-hook, which is easily slipped through the last link of the chain and then pinched shut.

Ring with claw, galvanized, per doz., \$1.20 "Jafence" Claw alone, galvanized, per doz., 30 "Jafend"

Galvanized Strand

For the taut part of arc lamp suspensions. Made of 7 steel strands.



%-in., per 100 ft., \$2.20 "Jafeel" 5-16 in., per 100 ft., \$1.75 "Jafetch" (1000 feet or over, 10 per cent. less)



Ajax Pole Lock

(Patent applied for)

A weatherproof lock designed to be fastened direct to the pole or wall, so as to lock the end of the hoisting rope and keep boys of all ages from tampering with the arc lamp. The strain comes on the hook, which is a rigid part of the casing, and hence will not bend or bind. Just the thing for use with the Ajax Rope Clamp and the Ajax Trimmer's Rope.

Ajax Pole Lock, 8O cents "Jafirm"

One key free with every ten locks

Extra Ajax Key, 1O cents "Jafirst"

(The keys are all interchangeable, so that one key fits all Ajax Pole Locks.)

Ajax Rope Clamp

A malleable iron clamp for rope ends, enabling the same to be locked at the pole. Has a reversible cap, making the single size do for anything from a 7/32-inch sashcord to a ½-inch manila rope. Will outlast the rope many times. Just the thing for use with the Ajax Pole Lock.

Each, 20 cents "Jafast"



Ajax Trimmer's Rope



A 30-foot rope for use in connection with hoisting ropes ending in a clamp. Has an easily snapped spring-hook at one end, while six rings are clamped at adjustable intervals near the other end, so as to allow for lamps hung at varying heights.

Each, \$2.50 "Jafade"

Ayer Self-Locking Windlass

Automatically locks itself when the handle is withdrawn, though also provided with a pawl for holding the drum at any desired point while the handle is in place.

Each, for 11 or less \$4.50 ''Jaband''

Each, for 12 or more \$4.30



Ajax Cleat

A NINE-INCH galvanized cleat, neat and strong, with the DAGE CURVED to hold firmly on round poles.

Each, 30 cents "Jabarb"

Ajax Insulated Bolt



Used in place of an eye-bolt, insulates the suspension strand from the pole, so as to reduce the risk of grounds and accidents. Has an extra strong fork (of channel steel), a por-

celain insulator and a bolt with six inches of thread for taking up any sag in the strand.

12-inch, with nut and washer, 35 cents "Jacage" 12-inch, GALVANIZED, - 40 cents "Jacant"



Ajax Insulated Fork

Same as the above, without bolt, for use with lag screws.

Plain - 25 cents "Jafind"

Galvanized 28 " "Jafizz"

Ajax Insulated Turnbuckle

Has porcelain insulators held in channel steel forks. Gives a nine-inch adirectment and takes wires up to 56 inch.



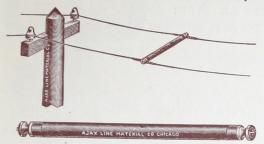
justment and takes wires up to 5%-inch outside diameter.

½ by 9-inch, plain, \$1.40 "Jacash" Same, galvanized, 1.60 "Jacatch"

5/8 by 9-inch, plain, 1.60 "Jacause"

Same, galvanized, 1.80 "Jacaught"

Ajax Wire Spreader



A light cross-arm tipped with porceiain insulators for keeping wires at a distance of 18 or 24 inches from each other. Made of enameled wood, with metal ferrules binding the ends. 18-inch, 25 cents

"Jaclap"

24-inch, 27 cents

"Jaclaim"



Ajax Tree Insulator

Guides the wire between porcelain rollers supported by a malleable iron base which can be screwed to a tree, lashed to a limb or suspended from one. THE ONLY "ALL-ROUND" TREE INSULATOR MADE.

Takes wires up to 5/8-inch outside diameter.

Per dozen, \$4.00 "Jachaff"

Glass Tree Insulator

(Scott C. Cutter's patent-150,000 in use.)

The only single piece, all-glass tree insulator. Readily fastened to the trunk or limb of a tree by means of light insulated wire or marlin. Takes wires up to ½-inch outside diameter.

Each, for 24 or less, 18 cents "Jachart" Each, for 25 or more, 16 cents



Ajax Swinging Insulator

A suspension tree insulator, for wires up to 5/8-inch outside diameter. Made with GALVANIZED steel fork and fittings. By far the strongest insulator of its kind.

Per dozen, \$4.00 "Jachalk"

Ajax Cast Pin Break Arm

New and neat in design, with a twelve inch spread and a $1\frac{1}{2}$ -inch stem.

Each, 60 cents "Japad"





Ajax Sleeve Break Arm

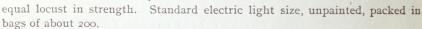
Twelve inch spread, with the stem and sleeves all 1½-inch.

Each, 64 cents "Japact"

JAX LINE MATERIAL CO. CHICAG

Birch Pins

Made of selected northern birch, which has been shown by tests to



11/2 by 9-inch Birch Pin "Japalm"

Per thousand, for less than 2,500, \$36.00 Per thousand, for 2,500 to 10,000, 34.00

Per thousand, for 10,000 or over, 32.00



Ajax Tapered Arm

An enameled arm carrying porcelain Also has steel caps to keep the ends of the arm from splitting.

Each, 30 cents "Jacheer"

Ajax Hook Arm

A simple cross-arm for use over low-voltage arc lamps. Steel caps keep the ends from splitting, and the Ajax Snap-Hook makes it easy to detach the lamp.

Each, 50 cents "Jacheap"





Ajax Bell Insulator

An arc lamp insulator for circuits of 5000 volts or less. Has the metal parts moulded into a hard rubber bell, which sheds the water in wet weather. The steel strap supporting the hook completely encircles the cross-piece of the stirrup, both being imbedded in the rubber, so that they cannot pull apart if the bell should be injured.

The only insulator of its kind that will not let the metal parts separate and drop the lamp if struck by lightning or smashed by accident. Has stood test voltages of from 19000 to 23000 volts

(alternating current), hence will have a large margin of safety at 5000 volts.

Fitted with the Ajax Snap-Hook, which is easily unlocked with one finger.

Ajax Bell Insulator 90 cents "Jacoal"

Ajax Bell Arm

Combines the above with an enameled cross-arm for guiding the line wires, the arm having its ends metal-bound to prevent splitting. Recommended only for low voltages. For higher voltages, use the Ajax Volta Cross-Arm.

Complete \$1.20 "Jacoach"

Ajax are lamp insulators and are lamp cross-arms are the only ones that meet the needs of modern practice, either as to insulation or in safely supporting the lamps.



Ajax Volta Insulator



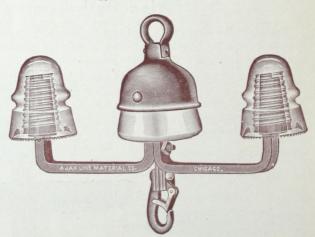
An arc lamp insulator for circuits of 8,000 volts or less, with an ingenious construction for holding the parts together in case the insulation is wrecked by lightning. Has a double petticoat porcelain bell and a new type of hook with a simple but positive catch. (Catch easily operated by one hand, there being no ring or other loose part.) Both the eye at the top and the safety hook are rigidly fastened to the insulator, so that they will not unscrew with the twisting of the hoisting rope.

Complete as per cut \$1.00 "Jacub"

Ajax Volta Arm

(Patent applied for.)

Combines the Ajax Volta Insulator with a steel arm supporting double petticoat glass insulators for guiding the line wires. The arm, being of channel steel, is extra strong; will not split like wood and has cushion tips for the insulators.



The only insulating cross-arm that is really safe on high voltage circuits.

Ajax Volta Arm, \$1.50 "Jacuff"

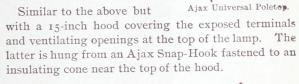
Ajax Universal Poletop

A neat and practically shadowless poletop with a base which fits either round or square poles. Has the pipes spread to a width of 25 inches in the clear, giving room for a reflector over the globe. wires are readily brought through the pipes and out through porcelain bushings to the lamp, which is insulated from the arched top by a high voltage insulator.

Each, \$6.00 "Jagang"

(Regular height of hook above top of baseplate, 43 inches. Other heights furnished on short notice.)

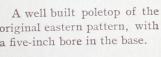
Ajax Hooded Poletop



Ajax Hooded Poletop \$6.00 "Jagaunt"



original eastern pattern, with a five-inch bore in the base.







Ajax Antique Poletop.

With Cutout Hangerboard With Insulating Cone only

"Jagawk" 7.20 "Jagain"

THESE PRICES SUBJECT TO THE USUAL AJAX DISCOUNT TO ELECTRIC LIGHT PLANTS

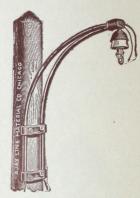
Ajax Forward Poletop

This new type holds the lamp slightly in front of the pole, or out of reach of the usual line of trees; is easily fastened in place, almost shadowless and neat in looks. The wires are readily run through the piping to the lamp, which is insulated from the fixture by a high voltage insulator.

Each, \$6.00 "Jagasp"

Ajax Front Fixture

A neat, two-foot fixture, equally suitable for use on round poles, square poles or walls. The only fixture of its kind that allows the wires to be brought through the piping. Fitted at the outer end with a high voltage insulator (or for low voltage with a rubber bell insulator).



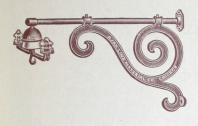
With high voltage insulator (as pictured) \$4.80 ''Jahair'' With low voltage (rubber bell) insulator \$4.60 ''Jahark''



Ajax Quadrant Fixture

Similar to the Front Fixture, but arranged for external wiring. Has a "Volta" (high voltage) cross-arm at the outer end with a channel steel arm to support glass petticoat insulators for guiding the wires. Two-foot reach, complete as pictured, except glass insulators.

Ajax Quadrant Fixture, \$5.00 "Jaheal"



Ajax Ionic Bracket

An ornamental bracket with a neat cast iron scroll and an insulating crossarm for supporting an arc lamp. The channel steel cross-arm with its glass insu-

lators insures a firm guide and proper insulation for the wires, while the Volta Insulator provides ample insulation for the lamp frame.

3 foot, complete \$3.80 "Jajar"

6 feet, with chains and rosettes for guying the outer end \$5.20 "Jajamb"

Ajax Madison Bracket

An ornamental arc lamp bracket for concealed wiring. Holds the lamp three feet from the wall, and has the pipe extending one foot inside the wall flange, so that the wires can be brought through it.



Complete with Ajax Bell Insulator (but unwired) \$3.60 "Jajute" Same, without inner piping, but with grooved flange \$3.50 "Jajuice"

Ajax Nernst Bracket



A four-foot bracket, similar to the above, but with the end threaded to fit the Nernst Street Lamp.

With inner pipe (as pictured) \$3.50 "Jajerk" With grooved wall-flange only

3.40 "Tajest"



Ajax Pulleyed Fixture

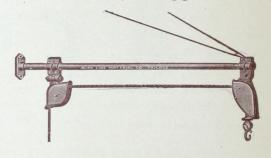
An unusually complete and firm threefoot fixture for use on poles, posts or walls. Has an Ajax Safety Pulley at the outer end, and a companion sleetproof pulley clamped to the curved pipes, saving the extra labor of bolting the com-

panion pulley to the pole. (Pending the perfection of the Ajax Safety Pulley this fixture will be fitted with the Morgan Patent Lamp-Supporting Pulley.)

Ajax Pulleyed Fixture \$6.00 "Jahave"

Ajax Safety Outrigger

A single-pipe fixture fitted with the Ajax Safety Pulley and a companion sleetproof pulley. Requires guying for the outer end, but can be put up in places where the wall space will not permit of the Ajax Pulleyed Fixture.



6 foot, with pulleys \$3.00 "Jahaul" 3 foot, " 2.60 "Jahaunch"

Ajax Chicago Bracket

A firm but ornamental steel
Bracket for holding an arc lamp 30
inches from a pole or wall. Fitted at the outer end with
the Ajax Volta Cross-Arm, thus adapting this fixture for
use with lamps on high voltage circuits.

Ajax Chicago Bracket, complete \$4.00 "Jahorn"



Ajax Terminal Bracket

(Patent applied for)

Made of channel steel, with a cushion tip to fit a standard glass insulator. Easily fastened in place, neat and light, but strong.

Ajax Terminal Bracket (without insulator) 13 cents "Japeace"
Same, galvanized 16 cents "Japeak"

(Lots of 100 and over 5 per cent less)

Ajax Twin Bracket

(Patent applied for)

A two-point form of the above, giving the 12-inch spacing between the wires as required by the Underwriters for electric light wires entering buildings. Cheaper than a pair of single brackets, and much more quickly installed. Channel steel, with cushion tips but without insulators.

Ajax Twin Bracket, painted 23 cents "Japearl" Same, galvanized 32 cents "Japelf" (Lots of 100 and over 5 per cent less)



Ajax Ceiling Bracket

(Patent applied for)

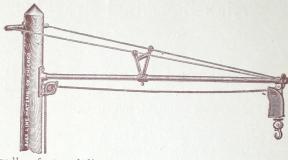
Similar to the Terminal Bracket but designed for bolting to a beam, bridge truss or ceiling. With cushion tip but without insulator.

Ajax Ceiling Bracket, painted 18½ cents "Japeep" Same, galvanized 22½ cents "Japert"

NOTE: The Ajax Steel Brackets are lighter and hence easier to install than any cast iron or malleable iron brackets of equal strength; are not broken if dropped hard, and have cushion tips to save cracking the insulators.



Ajax Medium Mast-Arm



A common-sense type of Mast-Arm, furnished with a steel Thrust-Arm from which a pair of steel strain rods run to the headpiece, giving a double bracing to keep the fixture from swaying in high winds. The poleplate has a weatherproof

pulley fastened direct to it, the Thrust-Arm is made of extra heavy piping, while the end will be fitted in the final Ajax type with the Ajax Safety Pulley. (Pending the perfection of the latter, the Ajax Mast-Arms will be fitted with the widely known Lamp-Supporting Pulley made under the Morgan patent).

Shipped complete as pictured (except rope).

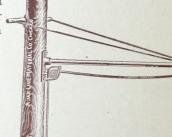
6 foot, \$7.80 "Jalace" 12 foot, \$10.20 "Jalax" 8 foot, 8.60 "Jalaid" 10 foot, 9.40 "Jalapse"

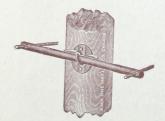
14 foot, 11.00 "Jalaugh"

Ajax Midget Mast-Arm

A shorter form of the above, with the same arrangement of Thrust-Arm and strain rods, but without the stiffener for the middle of the pipe. Complete with Morgan patent lamp-supporting pulley, but without rope.

> 4 foot, \$6.00 "Jaleaf" 6 foot, 6.80 "Jaleague" 8 foot, 7.60 "Jaleft"

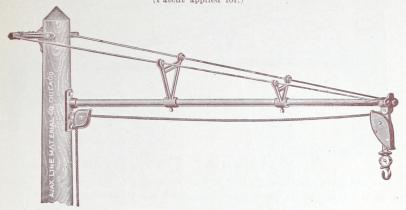




Detailed view, showing ease of tightening the strain rods at the Thrust-Arm.

Ajax Jumbo Mast-Arm

(Patent applied for.)



Similar to the Ajax "Medium" Mast-Arm, but with a longer Thrust-Arm, heavier strain rods and extra stiffening. The Anchored Arm at the back of the pole has side braces adjustable to any diameter of pole, so as to utilize this fully. Then an added triangular stiffener gives the rigidity needed in Mast-Arms of such length.

Shipped complete as pictured (except rope).

12	foot	\$11.40	"Jalobe"	16 foot	\$13.00	"Jaloop"
14	"	12.20	"Jalock"	18 "	14.00	"Jalord"
15	" "	12.60	"Jaloin"	20 "	15.00	" Jaloss"

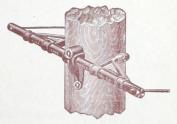
Ajax Anchored Arm

(Patent applied for).

Furnished regularly with the Ajax "Jumbo" Mast-Arms and Ajax "Varsity" Mast-Arms.

The only device of the kind that really utilizes the full diameter of the pole.

Each, \$2.00 "Jalute."



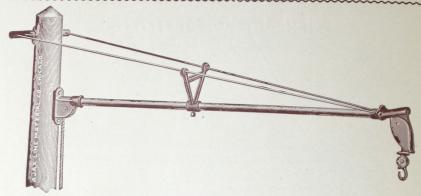
Ajax Thrust-Arm

(See Cut on Page 16).

A shorter form of the above, without the side bracing, as used with the Ajax Medium, Midget and Tubular Mast-Arms.

Each, \$1.20 "Jalye"

THESE PRICES SUBJECT TO THE USUAL AJAX DISCOUNT TO ELECTRIC LIGHT PLANTS



Ajax Tubular Mast-Arm

Mas the rope run through the piping, making an unusually neat fixture. Bracing the same as in the Ajax "Medium" Mast-Arms.

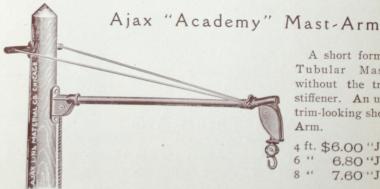
Shipped complete as pictured (except rope).

6 foot \$7.80 "Jamain" 10 foot \$ 9.40 "Jamalt" 8.60 "Jamaize" 12 " 10.20 "Jamap" 14 foot \$11.00 "Jamane"

Ajax "Varsity" Mast-Arm

Similar to the above, with the two triangular stiffeners, heavier strain rods and side-braced Thrust-Arm as used on the "Jumbo" Mast-Arms (see cate page 17).

12 foot "Jamile" \$11.40 16 foot "Jamist" \$13.40 " "Jamince" 12.40 18 " "Jamirth"
15 " "Jamink" 12.90 20 " "Jamix" 14.40

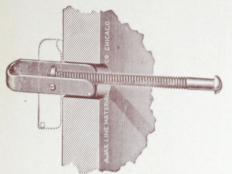


A short form of the Tubular Mast-Arm. without the triangular stiffener. An unusually trim-looking short Mast-Arm.

4 ft. \$6.00 "Jamead" 6 " 6.80 "Jameant" 7.60 "Jameet"

Ajax Toggle Bolt

For use wherever wood screws will not hold.



For fastening fixtures, insulators, conduits or other materials in places where a wood screw will not hold. Holds firmly on tile, hollow brick, marble or wire lathing.



(2/3 actual size of the 3/16 by 3 inch Ajax Toggle Bolt)

Quickly put in place: When inserted, as per cut, the headpiece stays close to the bolt, instead of flopping loosely and catching outside the wall, or between tile and plaster. Then when pushed through the hole, a half turn of the bolt drops the head squarely.

Short take-up: The nut is pivoted at the center of the headpiece (not slid to the further end), hence a "take-up" of only 5% inch suffices, or nearly an inch less than with other makes.

Finished appearance: Only the head of the bolt is exposed, leaving the surplus thread inside the wall, where it does not need to be cut off or covered up.

Time saving: The headpiece, being parallel to the bolt when inserted, does not need to be held in place; the unusually short "take-up" saves time compared with other bolts, and no more time is wasted in cutting off an exposed surplus of thread or covering an exposed nut. These features will usually save the entire cost of the Ajax Toggle Bolt as compared with other types.

PRICES-per hundred

3/16 x 3 inch, \$3.60 "Jayarn" 1/4 x 3 inch, \$4.00 "Jayoung" 3/16 x 4 inch, 4.00 "Jayacht" 1/4 x 4 inch, 4.40 "Jayea" 3/16 x 6 inch, 4.80 "Jayawl" 1/4 x 6 inch, 5.20 "Jayelp" 1/8 x 3 inch, \$3.40 "Jayolk"

1/8 x 4 inch, 3.80 "Jayore"

-Coming:—Ajax Bracket Street Hoods.—Ajax Suspension Street Hoods.—

If interested, send for sketches and quotations.

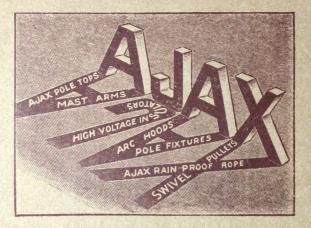
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